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#7/a
Lyon
2/28/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Pradeep K. Subrahmanyam

Appln. No.: 09/767,546

Filed : January 23, 2001

For : DISC STORAGE SYSTEM WITH
ADAPTIVE PID CONTROL

Docket No.: S01.12-0644

Group Art Unit: 2651

Examiner: Andrew L.
Snizek

AMENDMENT

Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

11 DAY OF February, 2003.
David J. [Signature]
PATENT ATTORNEY

Sir:

This Amendment is in response to the Office Action mailed on
November 18, 2002. Please amend the above-identified application
as follows:

RECEIVED

FEB 21 2003

Technology Center 2600

IN THE CLAIMS

Please cancel claims 1-18.

Please add new claims 19-36 as follows:

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a!
--19. (new) An apparatus for adaptively generating an output
responsive to a sensed position signal, a desired position signal
and at least one of a torque and an inertia.

20. (new) The apparatus of Claim 19, wherein the apparatus
further comprises a controller circuit that has a controller gain
that is adapted in a fixed range as a function of adaptive
parameter data.

21. (new) The apparatus of Claim 20 further comprising: